



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

INM

APPLICATION NO.	FILED DATE	CLERON	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
			M	P1525/112007

CESARI AND MCKENNA
30 ROWES WHARF
BOSTON MA 02110

B3M1/0725

CALDWELL, P	EXAMINER
-------------	----------

2316	ART UNIT	PAPER NUMBER
------	----------	--------------

07/25/97
DATE MAILED:

#110

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
08/435,377

Applicant(s)
Cleron et al

Examiner
Patricia Caldwell

Group Art Unit
2316



☒ Responsive to communication(s) filed on Apr 4, 1997

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-20 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-20 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Art Unit: 2316

DETAILED ACTION

Response to Amendment

1. This action is in response to amendments filed 31 March 1997. Claims 1-20 are pending in application 08/435377.

2. Applicant argues that the Norr reference describes inventor's own work and as such is not considered to be prior art. If Applicant intends to swear behind the Norr reference, Applicant must provide an affidavit for consideration (see M.P.E.P., 715.01, 715.01(c), 716.10). Examiner notes that it appears that Applicant is implying that Applicant is the sole inventor of the Apple Computer, Inc. Product wherein the OpenDoc components, as disclosed within the Norr reference, is combined with communications and networking capabilities. If this is the intention of Applicant, Applicant must therefore provide one or more affidavits to establish inventorship of the Apple Computer, Inc. OpenDoc product and also to establish the date of reduction to practice of the invention.

Art Unit: 2316

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. §103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

Art Unit: 2316

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. §103, the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 C.F.R. §1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of potential 35 U.S.C. §102(f) or (g) prior art under 35 U.S.C. §103.

Claims 1-5, 7-15, 17-20 are rejected under 35 U.S.C. §103 as being unpatentable over Duggan et al (US 5 584 035) in view of Norr, Henry, "Cyberdog could be a breakthrough if it's kept on a lease", MacWeek, Vol. 8, Number 45, p. 50, 14 November 1994 .

As per independent claim 1, Duggan et al disclose the invention as claimed :

Duggan et al disclose an extensible and replaceable layered component computing arrangement for providing services directed to information available on

Art Unit: 2316

computer networks (distributed object based system), operating system (12) [column 4, line 43 through column 5, line 2].

Duggan et al disclose a software component architecture layer (object software 24) coupled to an operating system and defining a plurality of computing components (objects) [column 5, line 25 through column column 6, line 4].

However, Duggan et al do not explicitly teach a network component layer for creating network navigation components configured to search and obtain information available on computer networks.

Norr discloses network navigation components configured to search and obtain information on the computer networks (suite of OpenDoc components with networking and communications capabilities including Internet browsing tools) [first page of enclosed copy of article].

It would have been obvious to one skilled in the art at the time the invention was made to modify the system of Duggan et al to include the retrieval functions as taught by Norr to enable users to locate information locally and remotely and to embed this information directly into documents.

Art Unit: 2316

As per **claim 2**, Duggan et al do not explicitly disclose an computing arrangement wherein the network navigation components are objects and the network component layer comprises application programming interfaces delivered in the form of objects in a class hierarchy.

Norr discloses an environment wherein the network navigation components are objects and the network component layer comprises application programming interfaces in a class hierarchy (suite of OpenDoc components with networking and communications capabilities) [middle of first page of enclosed copy of article].

It would have been obvious to one of ordinary skill at the time the invention was made to modify the system as taught by Duggan et al by implementing the application programming interfaces that are delivered in the form of objects in a class hierarchy because it would provide the system of Duggan et al with an improved capability of an interface for network communications.

Art Unit: 2316

As per **claim 3**, Duggan et al as modified by Norr teach an application programming interface which includes a first class [Norr: suite of OpenDoc components having network and communications capabilities; first page of enclosed copy of article].

As per **claim 4**, Duggan et al as modified by Norr teach an application programming interface which includes a second class [Norr : connection capabilities as software components; first page of enclosed article, last paragraph].

As per **claim 5**, Duggan et al as modified by Norr teach a means for spawning the stream object (linking) [Duggan : column 8, line 50 through column 10, line 12].

As per **claim 7**:

Duggan et al disclose an extensible and replaceable layered component computing arrangement for providing services directed to information available on computer networks (distributed object based system), operating system (12) [column 4, line 43 through column 5, line 2].

Art Unit: 2316

While Duggan et al do not explicitly disclose a processor, it would have been obvious that processors would be included within the network of personal computers of system 10.

Duggan et al disclose a software component architecture layer (object software 24) coupled to an operating system and defining a plurality of computing components (objects) [column 5, line 25 through column column 6, line 4].

However, Duggan et al do not explicitly teach a network component layer for creating network navigation components configured to search and obtain information available on computer networks.

Norr discloses network navigation components configured to search and obtain information on the computer networks (suite of OpenDoc components with networking and communications capabilities including Internet browsing tools) [first page of enclosed copy of article].

It would have been obvious to one skilled in the art at the time the invention was made to modify the system of Duggan et al to include the retrieval functions as

Art Unit: 2316

taught by Norr to enable users to locate information locally and remotely and to embed this information directly into documents.

As per **claim 8**:

Duggan et al in combination with Norr teach a means for embedding components having mixed data types and formats (embedding extracts from anywhere on a global network) [Norr : first page of enclosed copy, fourth paragraph of text].

As per **claim 9**:

Duggan et al in combination with Norr teach application programming interfaces (windows interface software 14, windows software 22) [Duggan : column 4, lines 62-63; column 5, lines 21-24].

As per **claim 10**:

Duggan et al in combination with Norr teach means for constructing a network navigation component representing a resource available on the computer network (objects, icons) [Duggan : column 5, lines 25-65; column 7, lines 3-7; column 11, lines 19-40].

Art Unit: 2316

As per **claim 11**:

Duggan et al in combination with Norr teach network navigation component that implements a protocol (http implemented by clicking on Web link) [Norr : first page of enclosed copy of article, sixth paragraph of full text].

As per **claim 12**:

Duggan et al in combination with Norr teach network navigation components providing additional functionalities (extension of Internet-based data presentation) [Norr : first page of enclosed copy, fifth paragraph of text].

As per **claim 13**:

Duggan et al in combination with Norr teach a computing part having a viewing editor and data content (windows) [Duggan : column 6, line 23 through column 7, line 2].

As per **claim 14**:

Duggan et al in combination with Norr teach transferring files over networks (locating information from a network and extracting information directly into

Art Unit: 2316

presentations) [Norr : first page of enclosed copy of article, fourth paragraph of text].

As per **claim 15**:

Duggan et al in combination with Norr teach a browsing component (browser) [Norr : first page of enclosed copy of article, fifth paragraph of full text].

As per **claim 17**:

Duggan et al disclose controlling operations of a computer system with a operating system coupled to a software component architecture layer (object software 24) [column 5, line 25 through column column 6, line 4].

However, Duggan et al do not explicitly teach a network component layer for creating network navigation components configured and providing a network service.

Norr discloses network component layer for creating a plurality of components and invoking a component to provide network service (suite of OpenDoc components

Art Unit: 2316

with networking and communications capabilities including Internet browsing tools)

[first page of enclosed copy of article].

It would have been obvious to one skilled in the art at the time the invention was made to modify the system of Duggan et al to include the retrieval functions as taught by Norr to enable users to access information from various locations across a network.

As per claim 18:

Duggan et al in combination with Norr teach extending navigation components (linking from one resource to another) [Norr : first page of enclosed copy of article, fourth through sixth paragraphs of full text].

As per claim 19:

Duggan et al in combination with Norr teach browsing [Norr : first page of enclosed copy of article, fifth paragraph of full text].

As per claim 20:

Art Unit: 2316

Duggan et al in combination with Norr teach a platform for developing components for operation on a variety of hardware and software computer systems (suite of OpenDoc components with networking capabilities, including a set of Internet browsing tools) [Norr : first page of enclosed copy of article, third paragraph of full text].

Claims 6 and 16 are rejected under 35 U.S.C. §103 as being unpatentable over Duggan (US 5 584 035) in view of Norr, Henry, "Cyberdog could be a breakthrough if it's kept on a lease", MacWeek, Vol. 8, Number 45, p. 50, 14 November 1994 as applied to claims 4 and 13 above, and further in view of Harkey et al, "Object component suites: the whole is greater than the parts", Datamation, 15 February 1995, Vol. 41, Number 3, page 44 .

Harkey et al teach a third class which can construct an network navigation object representing additional behaviors (customizing behaviors) provided to computer components [Section *Components and Frameworks*, second and third pages of enclosed

Art Unit: 2316

copy of article and Section *Client/Server Component Suites*, fourth page of enclosed copy of article, second paragraph].

It would have been obvious to one of ordinary skill at the time the invention was made to modify the system as taught by Duggan et al and Norr with extension capabilities to provide the capabilities of user customization of applications.

As per claim 16:

Duggan et al in combination with Norr teach displaying text [Duggan : Figures 28 and 29]. However, Duggan et al in combination with Norr do not teach displaying movies.

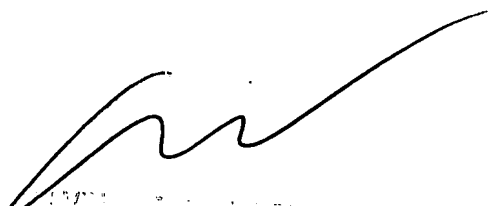
Harkey et al explicitly teach components which can handle movies [page 3 of enclosed article, section Parts: Components, Opendoc Style, second paragraph]. It would have been obvious to one of ordinary skill at the time that the invention was made to modify Duggan et al and Norr to extend the functionality of the system to include data formatted for movie viewing.

Serial Number: 08/435377

Page 15

Art Unit: 2316

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia Caldwell whose telephone number is (703) 305-3805.



Patricia Caldwell